Index

Aaberge, R. 6, 150, 157, 180, 184–5
  social poverty function of 162–5
Adger, N. 73, 142
Alkire, S. 150, 156–7, 167, 177, 185, 200
  concept of
    ‘association decreasing rearrangement among the poor’ 160
    ‘weak transfers’ 160
  counting approach of 149, 153–5, 158, 185, 190–91, 199
  dimension-adjusted dimensional poverty measure 160–61
  use of dual cutoff method 24
Almond, D. 218
Amin, S. 71
  study of household-level vulnerability 69–70
Aristotle 37
Arrow–Pratt absolute risk-aversion measure 86–7
Asian Development Bank (ADB) 13, 19, 253
  estimation of national poverty lines 19
Asian financial crisis (1997–98) 201
Atkinson, A.B.
  measurement of poverty lines 31
Azerbaijan 255–6, 259
  ethnic groups in 294
    comparison group 256
    mean wealth differences 266, 268
    reference group 256
  vulnerability-adjusted poverty line of 98
Balicasan, A. 151
Bangladesh 69
  national poverty line in 20

poverty rate in 98
Beetsma, R.M.
  estimation of CRRA 97
Binswanger, H.P.
  observation of vulnerability to poverty in India 54
Bossert, W.
  concept of ‘S-convexity’ 160
  counting measures of 160
Bourguignon, F. 153
  measurement of poverty lines 31
British Household Panel Survey (BHPS) 35
Bulgaria 55
Butler, R.J.
  interdistributional Lorenz curve 263
Calandrino, M.
  study of vulnerability at household level in PRC 68
Calvo, C. 55, 66, 85–6, 126–7, 141, 143
  role in development of axiomatic measure of vulnerability to
  poverty 60–65, 67, 76
Cambodia 6, 150–51, 166–8, 191, 199, 201, 253
  economic growth in 151, 165, 200
  poverty reduction 166, 176, 184–5, 201
Mountains region of 178, 184–5, 200
  Phnom Penh 177, 184–5, 200
  Plains and Coastal regions of 177–8
Cameroon 75
Casimiro, G.G. 151
Chakravarty, S. 6, 38, 48, 86, 133, 150, 153, 157, 180, 184–5, 199
  concept of amalgam poverty line 31–3
  concept of non-decreasingness of marginal social exclusion
    (NMS) 159, 161
The Asian ‘poverty miracle’

counting measures of 160, 165
multidimensional class of poverty
measures 161–2
study of partial ordering of
vulnerability 65
Chaudhuri, S. 85–6, 129, 143
role in development of expected
poverty measure of
vulnerability to poverty 56–7
Chen, S. 30–31
estimation of national poverty lines
22
proposal for ‘weakly relative’
international poverty line 22–3
China, People’s Republic of (PRC) 5,
13, 22, 59
extreme poverty rate in 1
national poverty line of 2, 13
headcount ratio in 99, 103
poverty rate in 98
Shanghai 68
subjective well-being in 35–6
vulnerability-adjusted poverty line
of 98
vulnerability to poverty in 68–9
Chinese Household Income Project
68
Chiwaula, L.S.
role in development of expected
poverty measure of
vulnerability to poverty 75
Christiaensen, L. 86
use of FGT measure in definition of
vulnerability 59
Clark, A.E. 32, 35–6
use of European Social Survey 36
climate change 118–20
El Niño–Southern Oscillation
(ENSO) 121, 129–30, 136–7,
140–42
physical impact of 119
droughts 120–22, 125, 134, 136,
139, 141
flooding risk 119–20, 122, 124–5,
131, 134, 136, 139, 141–3
relationship with vulnerability to
poverty 73–4, 129, 140–41
counting approaches 151–3, 160, 185,
190
individual poverty function 154–6
social poverty function 157–8, 162–4
Currie, J. 218
D’Ambrosio, C. 6, 150, 157, 180,
184–5, 199
concept of non-decreasingness
of marginal social exclusion
(NMS) 159, 161
counting measures of 160, 165
multidimensional class of poverty
measures 161–2
Dang, H.H. 87
estimation of poverty and
vulnerability in Papua New
Guinea 71
Datt, G. 155, 159
Deaton, A.
oxcon of development of
global poverty 20
Dercon, S. 55, 66, 70, 78, 85–6, 126–7,
141, 143
role in development of axiomatic
measure of vulnerability to
poverty 60–65, 67, 76
Devarajan, S. 78
Dhanani, S. 78
Duesenberry, J. 2, 34
Dutta, I. 86
role in development of axiomatic
measure of vulnerability to
poverty 64–5
EconLit 53
Elbers, C. 75
role in development of welfarist
measure of vulnerability to
poverty 55
use of Ramsey model 55
Eswaran, M. 53
Ethiopia 67, 70–71
ethnic groups 69, 253–6, 281–2, 290,
292–3, 295–7
absolute poverty gap curves 269–72
advantaged 7
differences in mean wealth 266–7
disadvantaged 253, 262, 268, 278,
282–3, 295
outstanding groups 272–3
poverty gap curves 262–4, 278
cumulative distribution functions
(CDFs) 262–3, 265, 268, 272–3
relative poverty gap curve 272
European Social Survey 97
third wave of 36
European Union (EU)
measurement of poverty lines 31

Fafchamps, M.
observations of subjective welfare in Nepal 35
Ferrer-i-Carbonell, A. 2
Foster, J. 150, 156–7, 167, 185, 200
concept of
‘association decreasing rearrangement among the poor’ 160
‘weak transfers’ 160
counting approach of 149, 153–5, 185, 190–91, 199
dimension-adjusted multidimensional poverty measure 160–61
use of dual cutoff method 24

Fuente, A. de la 71

Gaiha, R. 85
Gallup World Poll 97
Gandelman, N.
estimation of CRRA 97
Georgia
vulnerability-adjusted poverty line of 98
Gerry, C.
use of quantile regression 71
Glewwe, P. 71
Global Financial Crisis (2007–09) 215
Gradin, C. 264
Greb, F.
observation of development of global poverty 20
Gunning, J.W. 75, 85
role in development of welfarist measure of vulnerability to poverty 55
use of Ramsey model 55
Günther, I. 70, 77, 86
Hadi, P.U. 122
Hall, G. 71
Hardeweg, B. 65, 69
Hartley, R. 97
estimation of CRRA 97
Harttgen, K. 70, 77, 86
Health and Demographic Surveys 6
Hernández-Murillo, R.
estimation of CRRA 97
Hersch, P.L.
estimation of CRRA 97
Hinduism
caste system of 256
Hirschman, A.O. 35
Hoddinott, J. 85–6
Holzmann, R.
role in development of expected poverty measure of vulnerability to poverty 85
human capability 7–8
Human Development Index (HDI) 149, 167

Imai, K. 85
study of vulnerability at household level in PRC 68
income gap 35, 38
India 7, 22, 69, 255, 259, 294
Constitution of 256
ethnic groups in 256, 272, 296
absolute poverty gap curve 272
mean wealth differences 266
Other Backward Class (OBC) 256, 268, 278, 284, 289
poverty gap trends 278–9, 283, 290
Scheduled Castes (SC) 256, 268, 278–9, 284–90
Scheduled Tribes (ST) 256, 268, 278, 284, 289–90, 294–6
national poverty line of 2, 13, 20–21
headcount ratio in 99, 103
poverty rate in 98
vulnerability to poverty in uninsured weather risk 54
Indonesia 6, 13, 58, 78, 130, 141, 150–51, 165–8, 199, 201, 253
Borneo
Kalimantan 179, 190
climate change impact in
  droughts 120–22, 125
  flooding risk 119–20, 122, 124–5
economic growth in
  poverty reduction 166, 178, 201
ethnic groups in 256
  poverty amongst 261
Jakarta 120
  Jakarta Province Regional
    Disaster Mitigation Agency 122
Java 178–9, 185
  Bali 179, 185
Manokwari 120
Ministry of Agriculture
  Directorate General of Crop
    Protection 122
National Disaster Management
  Agency (Badan Nasional
    Penanggulangan Bencana) 118–19
national poverty line of 120
  headcount ratio in 99, 103
poverty rate in 98
Ruteng Park 121
Sulawesi 179, 185, 190, 199
Indonesia Family Life Survey (IFLS)
  122–5, 130–31, 133
  first round of (IFLS 1) 122–3, 133
  fourth round of (IFLS 4) 131, 133–4,
    137, 139–40
  second round of (IFLS 2) 122–3,
    133–4, 137, 139
  third round of (IFLS 3) 122–3, 133
Indonesian Central Bureau of
  Statistics (BPS)
  Consumer Price Index (CPI) 126
  National Socio-Economic Survey
    (SUSENAS) (1993) 122
information theory 152
Intergovernmental Panel on Climate
  Change (IPCC)
  Working Group II
    Fifth Assessment Report 119
Islam, I. 78
Jack, W. 78
Jalan, J.
  definition of total poverty 60
  study of rural poverty in PRC 68–9
Japan
  Meiji Restoration (1868) 8
Jha, R.
  analysis of poverty and vulnerability
    in Tajikistan 69
  estimation of poverty and
    vulnerability in Papua New
    Guinea 71
Jorgensen, S.
  role in development of expected
    poverty measure of
    vulnerability to poverty 85
Kabubo-Mariara, J. 218
Kamanou, G. 86
  use of expected poverty measure of
    vulnerability 58
Kenya 59
Klasen, S. 19, 70, 85
  proposed use of standardized
    methodology in setting national
    poverty lines 23
Knight, J. 35
Kolm, S.C.
  study of multidimensional inequality
    159–60
Koren, M.
  analysis of volatility of GDP growth
    76
Korkeala, O. 121
Kotwal, A. 53
Kramer, R.A. 121–2
Krishnan, P. 70
Kurosaki, T. 71
  study of vulnerability 70
labor 283
  force status 36
  market 71, 282
Lanjouw, P.F. 87
Le Breton, M.
  first-order discrimination curve of
    263
Li, C.
  use of quantile regression 71
Ligon, E. 63, 69, 85, 89
  definition of vulnerability 103
  role in development of welfarist
Index

measure of vulnerability to poverty 55
static analytic framework 55
Lorenz curve 108

macroeconomics 77
Madagascar 70
Malaysia
  vulnerability-adjusted poverty line of 98
McCulloch, N.
  study of vulnerability at household level in PRC 68
McDonald, J.B.
  interdistributional Lorenz curve 263
McDougall, G.S.
  estimation of CRRA 97
Mexico
  remittance flows in 71
microcredit 78
Mongolia
  national poverty line in 20
Montalbano, P. 76
Monte Carlo method 58
Morduch, J. 78, 86
  use of expected poverty measure of vulnerability 58
Moser, C. 74

Naudé, W. 76
Naylor, R. 121
Nepal 7, 255, 294
  ethnic groups in 256, 272, 294–6
  absolute poverty gap curve 271
  mean wealth differences 266
  outstanding groups 278
  poverty gap 283–4, 292
  national poverty line in 20
  poverty rate in 98
  subjective welfare in 35
Nigeria 75
  nutrition 215–17
    children 218–19, 234, 237–8, 241–3
    childcare 219, 238
    malnutrition 217–18
    measurements of 217
    Body Mass Index (BMI) 217–18, 227
    height-for-age (HFA) 217, 227, 233, 242

weight-for-age (WFA) 217–18, 220, 226–7, 233–4, 241–2
weight-for-height (WFH) 217, 227
relationship with poverty 6, 216, 219, 227, 230, 234, 237, 244
undernourishment/undernutrition 215–18, 242–3

Oaxaca–Blinder procedure 265
ordinary least squares (OLS) regression
  128–9, 220, 234, 238, 241
models
  Durban–Wu–Hausman test 220
Oswald, A.J. 32, 35

Pakistan 7, 70, 255
  ethnic groups in 272, 283, 296
  absolute poverty gap curve 271
  poverty gap 283, 292–3
  national poverty line of
    headcount ratio in 99, 103
  poverty rate in 98
Papua New Guinea 71
Pasaribu, S.M. 122
Pasha, A. 25
Pattanayak, S.K. 121–2
Peluso, E. 6, 150, 157, 180, 184–5
  social poverty function of 162–5
Penn World Tables 21
Peru 71
Philippines 6–7, 150–51, 166–8, 199, 201, 253, 255
  economic growth in 151
  poverty reduction 166, 190
  Tagalog 256
  ethnic groups in 272, 294–6
  absolute poverty gap curve 272
  comparison groups 256
  mean wealth differences 266, 268
  outstanding groups 278
  poverty amongst 261
  poverty gap trends 278–9, 283, 294
Mindanao 180
  national poverty line of
    headcount ratio in 103
  poverty rate in 98, 165
Visayas 180
Povel, F. 70, 85
  poverty 8, 37, 68, 72, 87, 152, 176–7, 179–80, 190, 201–2, 233–4

Jacques Silber and Guanghua Wan - 9781785369155
Downloaded from PubFactory at 09/16/2023 04:37:31AM via free access
chronic 60
consumption-based definition of 125–6
extreme 1
decline in 1–2
global
observed 20
international 20–21
line 2–6, 14–15, 18–19, 23–4, 53, 55, 86–7, 89–90, 97, 120, 125–6, 140, 153, 227, 233
absolute 5, 30, 32–3, 37–8, 48
adjusted 5, 91, 93
amalgam 33, 38
Asian 14–15, 17, 19–21, 241
country-level income 21
estimation of 13–14, 17–20
impact of vulnerability on 89
international income 13
issues of 20–22
modification of 2
multidimensional 17
PPP-adjusted 14
vulnerability-adjusted 97–8
multidimensional 3–4, 6, 13, 16, 149–50, 158, 165, 167–8, 176, 200
Aaberge and Pelusio extension
(Ext. AP) 190, 200
Chakravarty and D’Ambrosio
(CDA) measure 190, 200
counting approaches to 151–65
multidimensional transfer
principle (MTP) 160
non-monetary 3
rates of 1
reduction efforts 13, 166, 176, 184–5, 201, 215–16, 223–4, 233, 253
relationship with nutrition 6, 216, 219, 227, 230, 234, 237, 244
social 150
urban 178, 185, 190–91, 201
poverty gap 31
poverty trap 53
Powdthavee, N. 34
Praag, B. van 34
Pritchett, L. 57
purchasing power parity (PPP) 4, 20–21, 26, 97
- adjusted poverty 4
line 14
exchange rates 23
Quisumbing, A.R. 71, 85–6
RAND Corporation
conducting of IFLS (1993–94) 122–3
Ravallion, M. 30–31, 37
definition of total poverty 60
estimation of national poverty lines 19, 22
use of linear model 19
proposal for ‘weakly relative’
international poverty line 22–3
role in development of expected
poverty measure of
vulnerability to poverty 55, 85
study of rural poverty in PRC 68–9
Reddy, S.
proposed use of standardized
methodology in setting national
poverty lines 23
Rippin, N. 6, 150, 153, 156, 184
counting measures of 160, 191
multidimensional class of ordinal
poverty measures 161
Rippin decomposition 191
non-decreasingness under inequality-
increasing switch (NDS) 159, 161
risk aversion 87–9
coefficient of relative risk aversion
(CRRA) 97–8, 103
constant absolute 89–90
constant relative 91–2
noise 91
additive noise model 89, 93
multiplicative noise model 93
risk aversion indicators 87
absolute
Arrow–Pratt measure 87–8
Roma
vulnerability to poverty 70
Rosenzweig, M.
observation of vulnerability to
poverty in India 54
Rothschild, M. 35, 89
Runciman, W.G. 34
Russian Federation 71
    nutritional well-being in 75

Schechter, L., 63, 69, 85, 89
    definition of vulnerability 103
    role in development of welfarist measure of vulnerability to poverty 55
    static analytic framework 55

Schotman, P.C.
    estimation of CRRA 97

Second World War (1939–45) 53

Sen, Amartya 7
    role in development of poverty definitions 152, 159
    rank-dependent framework 162

Senik, C. 35
    use of European Social Survey 36

Seth, S. 153
    counting approach of 158

Shilpi, F.
    observations of subjective welfare in Nepal 35

Shorrocks, A. 38

Silber, J. 150, 153, 155–6, 184, 199
    concept of ‘social poverty function’ 157, 159, 163–4

Skoufias, E. 70

Smith, Adam
    Wealth of Nations 30

South Africa 76

Soviet Union (USSR) 21

Stiglitz, J.E. 89

Stillman, S.
    study of nutritional well-being in Russian Federation 75

Subbarao, K. 86
    use of FGT measure in definition of vulnerability 59
    subjective well-being 33
    reference groups 33–5, 48

Sumarto, S. 86
    role in development of expected poverty measure of vulnerability to poverty 56–9
    observations of vulnerability in Indonesia 58

Survey METRE
    role in conducting of IFLS 4 123

Suryahadi, A. 86
    role in development of expected poverty measure of vulnerability to poverty 56–9
    observations of vulnerability in Indonesia 58

Szpiro, G.G.
    estimates of CRRA 97

Tajikistan 69
    national poverty line in 15, 20–21
    vulnerability to poverty in 54
    vulnerability-adjusted poverty line of 98

Tanzania 54
    taxation 37

Tenreyro, S.
    analysis of volatility of GDP growth 76

Thailand 6–7, 215
    Buri Ram 221
    Nakhon Phanom 221
    poverty reduction efforts in 220, 233
    poverty headcounts 221, 223–4
    Ubon Ratchathani 221
    vulnerability-adjusted poverty line of 98

Thomas, D.
    study of nutritional well-being in Russian Federation 75

Thorbecke, E. 152

Tobit models
    Smith–Blundell test for 220
    Tobit regression 237

Townsend, P.
    role in development of poverty definitions 152

Turkmenistan
    vulnerability-adjusted poverty line of 98

unemployment 71

United Kingdom (UK) 97

United Nations (UN)
    Children’s Fund (UNICEF) 151, 218
    nutritional framework of 218–19
    Development Programme (UNDP) 149, 167
Multidimensional Poverty Index (MPI) 3–4, 6, 14, 16, 24–5, 149–53, 156–7, 161, 166, 199
Millennium Development Goals (MDGs) 1, 13, 20, 150–51, 216–17
United States (US) 123
Agency for International Development (USAID)
Demographic and Health Surveys (DHS) 151, 166, 199, 219–20, 255–6, 259
Monitoring and Evaluation to Assess and Use Results Demographic and Health Surveys (MEASURE DHS) 255
University of California, Los Angeles role in conducting of IFLS 2 122
University of Gadjah Mada Center for Population and Policy Studies role in conducting of IFLS 4 123
Population Research Center role in conducting of IFLS 3 123
University of Indonesia Lembaga Demografi role in conducting of IFLS 2 122
US Health and Retirement Survey 97 utility function 32, 87, 91–2 constant relative risk aversion 56 household 218 instantaneous 55–6 Taylor’s expansion 90–91 von Neumann-Morgenstern 85
Wan, G. 38 definition of vulnerability 59 study of vulnerability at household level in PRC 68
Index

concept of ‘social poverty function’ 157, 159, 163–4
Yemen
national poverty line in 20–21

Zhang, Y.
definition of vulnerability 59
study of vulnerability at household level in PRC 68
Zimbabwe 56